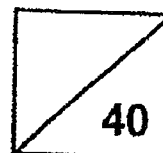




**Rosyth School**  
**Weighted Assessment One**  
**SCIENCE**  
**Primary 3**

Name: \_\_\_\_\_

Total  
Marks:



Class: Pr 3 \_\_\_\_\_

Register No. \_\_\_\_\_ Duration: 50 min

Parent's Signature: \_\_\_\_\_

**Instructions to Pupils:**

1. Do not open the booklet until you are told to do so.
2. Follow all instructions carefully.
3. For questions 1 to 11, write the correct answer in the brackets provided.
4. For questions 12 to 16, give your answers in the spaces provided.

|                | <b>Maximum Marks</b> | <b>Marks Obtained</b> |
|----------------|----------------------|-----------------------|
| <b>Q1-Q11</b>  | <b>22 marks</b>      |                       |
| <b>Q12-Q16</b> | <b>18 marks</b>      |                       |
| <b>Total</b>   | <b>40 marks</b>      |                       |



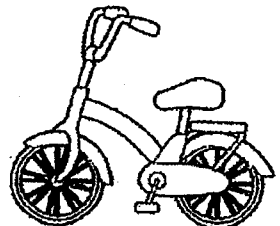

\* This booklet consists of 12 printed pages (including cover page).



For each question from 1 to 11, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Write the correct answer in the bracket provided.

(22 marks)

1. Which one of the following things most likely needs air, food and water to stay alive?

|  |  |
|--|--|
| <p>(1) A teddy bear on a bed</p>  | <p>(2) A pair of glasses on my face</p>  |
| <p>(3) A bicycle in a room</p>  | <p>(4) A potted plant in a garden</p>  |

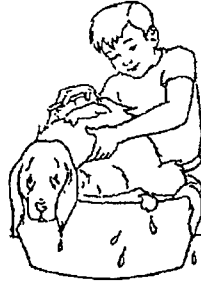
( )

2. Which one of the following statements is true about bacteria?

- (1) They reproduce by spores.
- (2) They are non-living things.
- (3) They can be classified as micro-organisms.
- (4) They cannot survive outside a human body.

( )

3. Sam noticed that his pet dog shivered while he was bathing it.



What did Sam's observation tell you about living things?





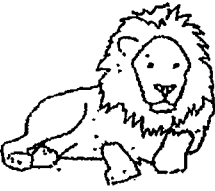

- (1) Living things can grow.
  - (2) Living things can reproduce.
  - (3) Living things need air, food and water to survive.
  - (4) Living things can respond to changes around them. ( )
4. The table below shows the observations made by Siti on three things, W, X and Y, found at home. She stated their characteristics as shown in the table below.

| Characteristics                  | W   | X   | Y   |
|----------------------------------|-----|-----|-----|
| Can it grow?                     | No  | Yes | Yes |
| Can it reproduce?                | No  | Yes | Yes |
| Can it make its own food?        | No  | No  | Yes |
| Can it move from place to place? | Yes | Yes | No  |

Based on the table, which one of the following statements is definitely true?

- (1) X is a plant.
- (2) Y is a fungi.
- (3) W is a living thing.
- (4) X needs food to survive. ( )

5. Study the classification table carefully. The animals below are grouped into two groups, C and D.

| Group C  | Group D   |
|--|---|
|   |   |
|   |   |
|  |  |

The above animals are grouped according to \_\_\_\_\_

- (1) what they eat
- (2) the way they move
- (3) their body coverings
- (4) the number of legs they have

( )

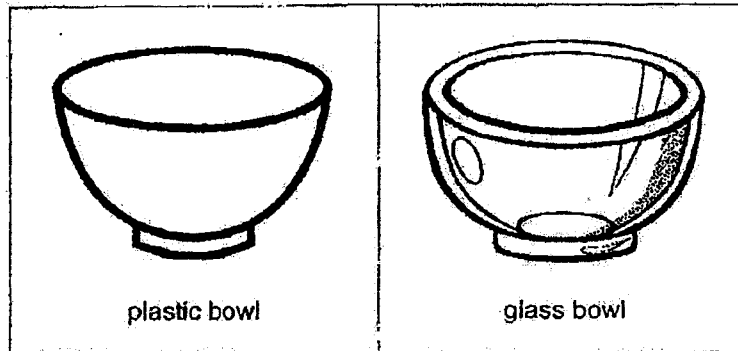
6. Kok Ming observed some fungi growing on his feet.



What is a good advice to reduce the growth of the fungi on his feet?

- (1) Do not wear socks.
- (2) Wear a closed shoe.
- (3) Wear an open slipper.
- (4) Do not remove the dead skin on his feet. ( )

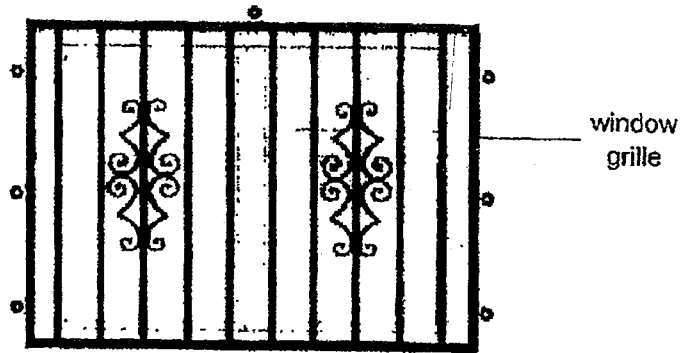
7. The bowls used in a school canteen are usually made of plastic instead of glass.



Which one of the following properties of plastic makes it a more suitable material to use than glass?

- (1) It is strong.
- (2) It floats on water.
- (3) It does not break easily.
- (4) It does not allow light to pass through. ( )

8. Sandy wants to install a window grille as shown below .



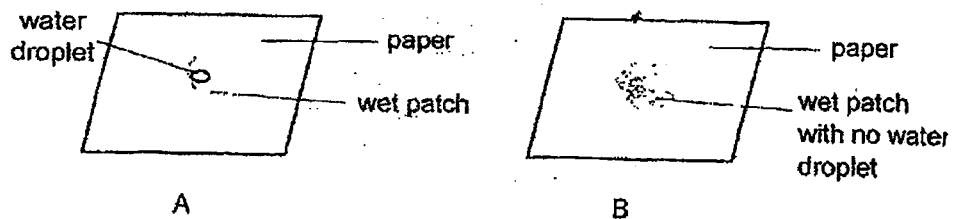
A window grille must be \_\_\_\_\_.

- A: strong
- B: flexible
- C: waterproof
- D: transparent

- (1) A and B only
- (2) A and C only
- (3) B and C only
- (4) B and D only

( )

9. A similar size water droplet is dropped onto papers, A and B. The observation is as shown below after five minutes.



Which one of the following statements is correct?

- (1) Paper A is more absorbent than paper B.
- (2) Paper A is waterproof but paper B is not.
- (3) Paper B is more absorbent than paper A.
- (4) Paper B is less waterproof than paper A.

( )

10. The table below shows the maximum weight four different types of plastic bags, A, B, C and D, can hold before breaking.

| Type of plastic bag | Maximum weight the plastic bag can hold before it broke (kg) |
|---------------------|--|
| A                   | 3  |
| B                   | 5  |
| C                   | 6  |
| D                   | 1  |

If we want to carry objects which weigh 4kg, which plastic bag(s) can be used?

- (1) A only  
 (2) A and D only  
 (3) B and C only  
 (4) A, B and D only ( )

11. Annie wants to buy a material to make a towel. The properties of materials, P, Q, R and S are shown below. A tick (✓) indicates that the material has the property.

| Material | Waterproof | Flexible | Allows light to pass through |
|----------|------------|----------|------------------------------|
| P        | ✓          |          |                              |
| Q        |            | ✓        |                              |
| R        | ✓          | ✓        |                              |
| S        |            | ✓        | ✓                            |

Which is the most suitable material she should choose to make a towel?

- (1) P  
 (2) Q  
 (3) R  
 (4) S ( )



For questions 12 to 16, write your answers in the blanks provided. (18 marks)

12. Sarah bought four fishes and put them in a fish bowl as shown below.



(a) Tick (✓) all the conditions needed for the fishes to survive. [1]

|       |  |
|-------|--|
| Air   |  |
| Food  |  |
| Water |  |

(b) One day, Sarah noticed that the fishes kept swimming near the surface of the water.

Explain why the fishes were swimming near the surface of the water. [1]

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(c) What could Sarah do to prevent the fishes from swimming near the surface of the water? [1]

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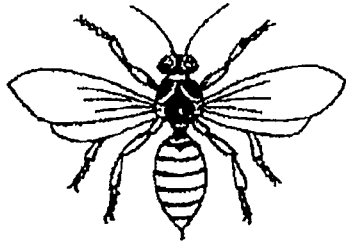


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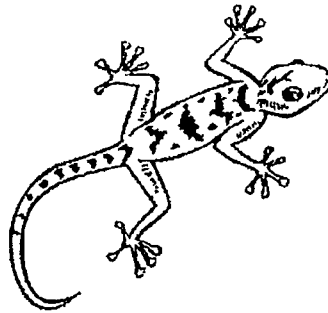
(d) After some weeks, small baby fishes were observed in the fish bowl.

This shows that living things can \_\_\_\_\_ [1]

13. Study the pictures of the two animals, X and Y, below.



Animal X



Animal Y

(a) Which animal group does Animal X belong to? [1]

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(b) State two reasons why Animal Y cannot be placed in the same group as Animal X. [2]

Reason 1

---

Reason 2

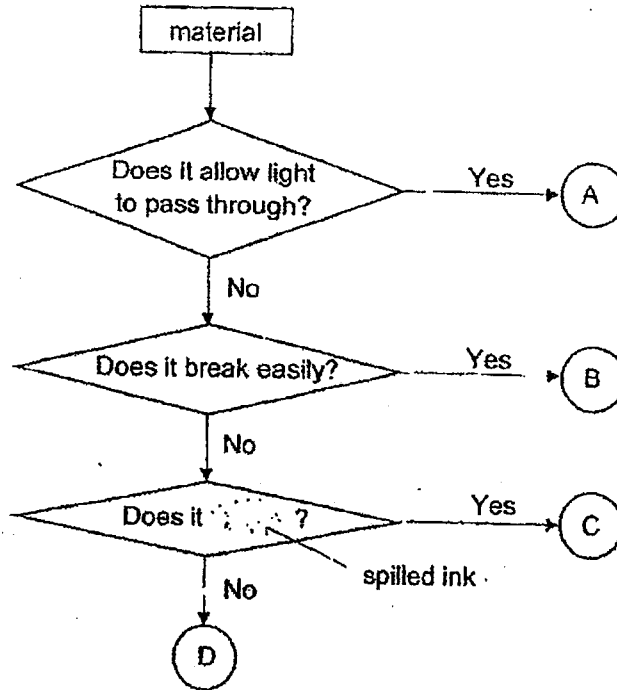
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(c) In terms of reproduction, state a similarity between Animal X and Y. [1]

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14. The flow chart below shows the characteristics of materials, A, B, C and D.



(a) Which of the following materials below are represented by letters A, B, C or D? Write the letter in the box provided. [1]

Ceramic

Clear Glass

(b) State a similarity between material B and C. [1]

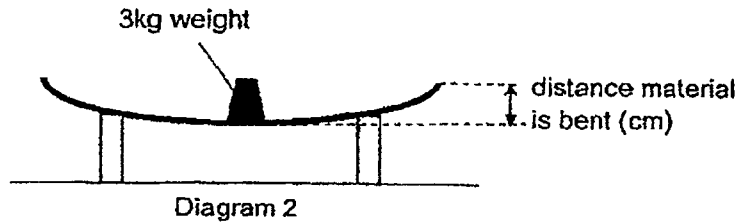
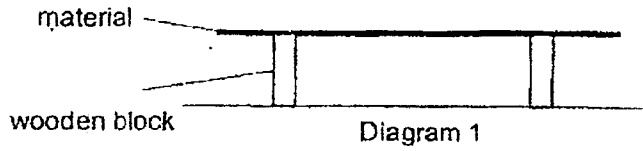
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(c) If C is a metal ruler and D is a rubber duck, what is the word in the question covered by the spilled ink on the flow chart? [1]

Does it \_\_\_\_\_?

15. Andrew set up an experiment as shown below to compare the flexibility of three different materials, X, Y and Z, which are of the same length and thickness.



A 3kg weight was placed in the middle of material X. Andrew measured the distance the material was bent. He repeated the experiment using materials, Y and Z. He recorded his results in the table below.

| Material | Distance (cm) |
|----------|---------------|
| X        | 2             |
| Y        | 5             |
| Z        | 0             |

- (a) Arrange the materials, X, Y and Z, according to their flexibility. Start with the least flexible material.

[1]

\_\_\_\_\_ (least flexible)

\_\_\_\_\_ (most flexible)

- (b) Based on the experiment above, which material, X, Y or Z, is most suitable for making a food tray? Explain your answer.

[2]




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16. Muthu conducted some tests on materials, S, T and W. The results of the tests are shown in the table below. A tick (✓) indicates that the material has the property.

| Property                     | Materials |   |   |
|------------------------------|-----------|---|---|
|                              | S         | T | W |
| Flexible                     |           | ✓ |   |
| Waterproof                   | ✓         | ✓ | ✓ |
| Floats on water              | ✓         | ✓ |   |
| Allows light to pass through |           |   | ✓ |

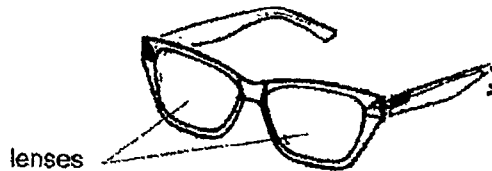
- (a) Based on the results table above, state the four properties of T. [2]

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- (b) The diagram below shows the lenses of a pair of glasses.



- Based on the results table above, explain why material S is not suitable to be used as the lenses of a pair of glasses?. [2]

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End of Paper



SCHOOL : ROSYTH PRIMARY SCHOOL  
 LEVEL : PRIMARY 3  
 SUBJECT : SCIENCE  
 TERM : 2023 WA1

CONTACT :

**SECTION A**

| Q1  | Q2 | Q3 | Q4 | Q5 | Q6 | Q7 | Q8 | Q9 | Q10 |
|-----|----|----|----|----|----|----|----|----|-----|
| 4   | 3  | 4  | 4  | 3  | 3  | 3  | 2  | 3  | 3   |
| Q11 |    |    |    |    |    |    |    |    |     |
| 2   |    |    |    |    |    |    |    |    |     |

**SECTION B**

|      |  |
|------|--|
| Q12) | <p>(a) Tick Air, Food, Water</p> <p>(b) The fishes were swimming near the surface of the water because there was not enough air to breathe.</p> <p>(c) Sarah could buy an air pump that pumps air into the bowl so that the fish can breathe</p> <p>(d) reproduce</p>    |
| Q13) | <p>(a) Animal X belongs to the group of insects</p> <p>(b) Reason 1 : Animal X has six legs but Animal Y has four legs<br/>Reason 2 : Animal X has three body parts but Animal Y has one body part</p> <p>(c) Both Animal X and Y lay eggs</p>                           |
| Q14) | <p>(a) Ceramic : B                  Clear Glass : A</p> <p>(b) Both material B and C do not allow light to pass through</p> <p>(c) Does it sink in water?</p>  |
| Q15) | <p>(a) Z, X, Y</p> <p>(b) Z. It is the least flexible and a food tray cannot be flexible so that the food would not spill when it is being carried with the tray.</p>  |
| Q16) | <p>(a) Material T is flexible, waterproof, able to float on water and does not allow light to pass through</p> <p>(b) Material S is not suitable because it does not allow light to pass through and lenses need to be transparent so that you can see through them.</p> |

